

The GODAE High Resolution SST Project as an NDE Customer

Presented By Ken Casey (NESDIS/NODC)









What is the GHRSST-PP?



- GODAE is an international project dedicated to the development of operational global ocean analysis and prediction systems
- GODAE depends on high-quality SST data products to constrain upper ocean circulation and thermal structure of ocean models
- Global coverage SST data products need to:
 - be **accurate** (to better than 0.5K),
 - be **operationally available** in near real time (daily),
 - have high spatial resolution (<10km), and
 - have **high temporal resolution** (6-12 hours).
- In 2000, there were no SST products that could satisfy these requirements: so the IGST initiated the GHRSST-PP



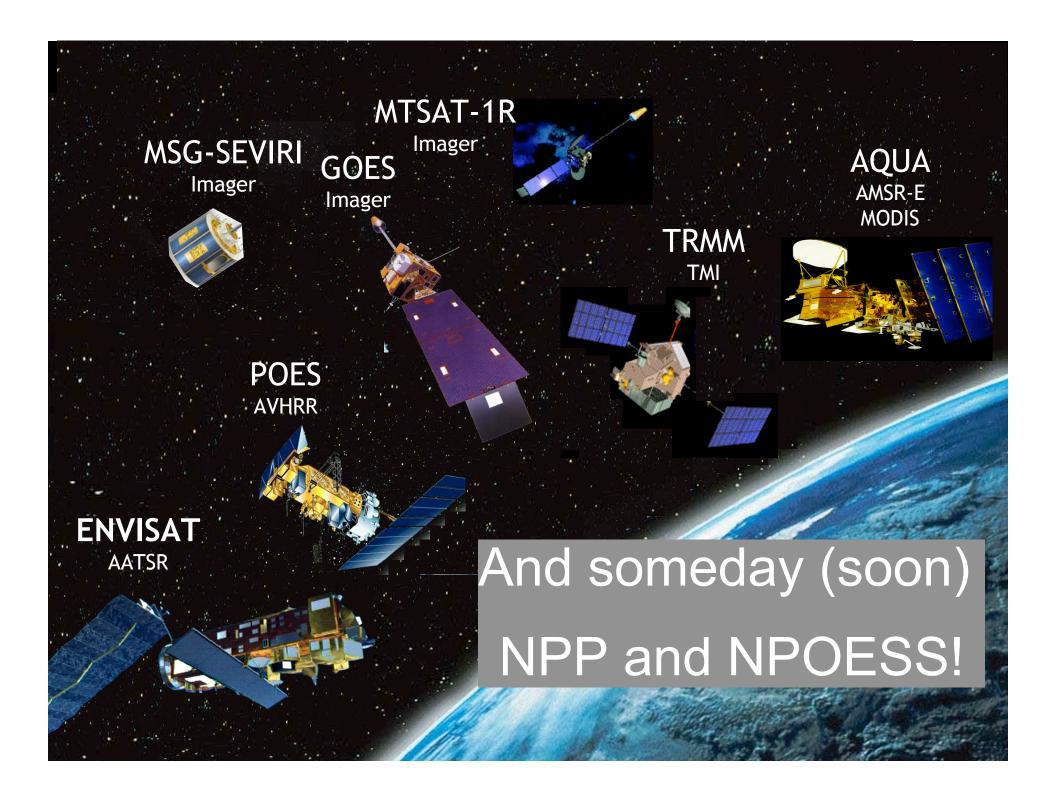
GHRSST-PP Goals



GHRSST as an NDE Customer?

- Provide the next generation of global SST products for operational and climate users
 - Create integrated common format products (SST, Sea Ice, uncertainties, auxiliary QC)
 - Create operationally efficient and scientifically valid methodologies for real time fusion of SST data
 - Deliver products to applications in national, regional and international communities
 - Minimize duplication of activities within the global SST Community
 - Develop comprehensive real-time and retrospective systems





Regional/Global Task Sharing



How is NOAA Involved now?

GHRSST as an NDE Customer?

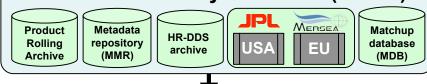


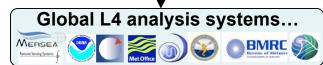
SST data products (L2P, L4)



Ingestion, Dissemination and Processing Service (IDPS)

Global Data Analysis Centre (GDAC)





Global coverage L4 SST products



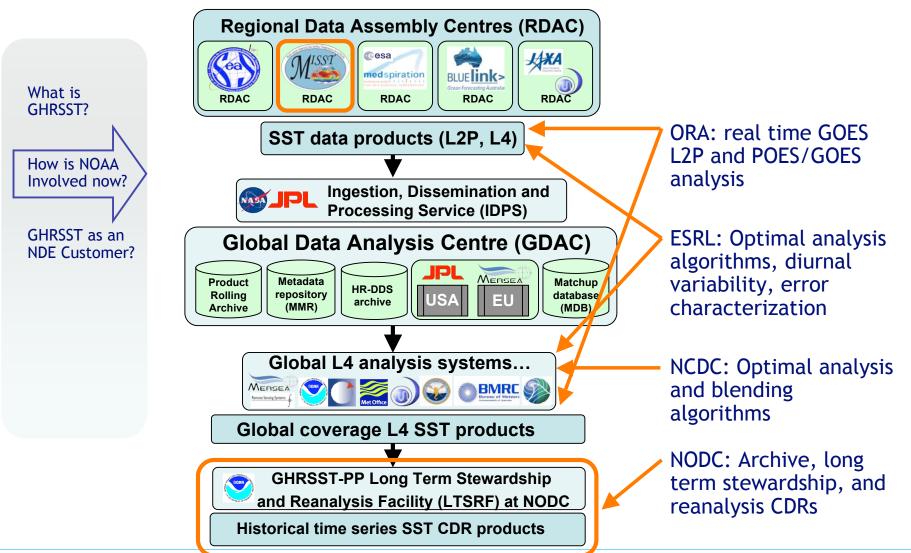
Historical time series SST CDR products



A working demonstration of GEOSS!

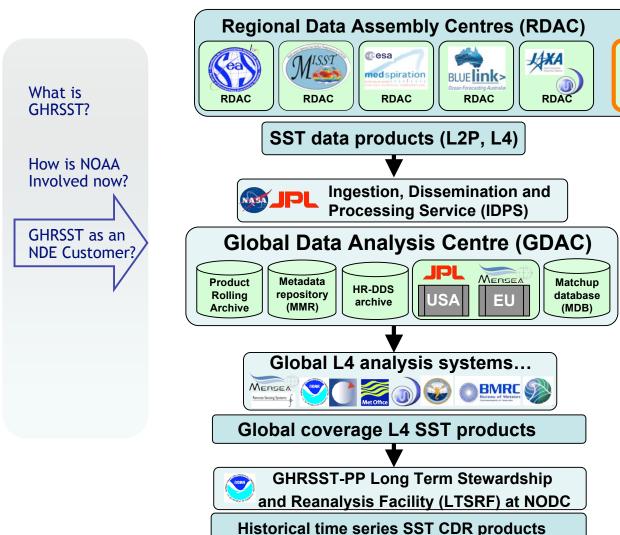


Current NOAA Involvement





How might NDE play a role?



NDE could play a key role for the global SST community, acting as the Data Assembly Center for NPP/NPOESS data, reformatting SST EDRs from VIIRS and CMIS to GHRSST specifications

NDE



For More Information

What is GHRSST?

How is NOAA Involved now?

GHRSST as an NDE Customer?

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